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Rec'd Oct 13-1900

(4-683.)

Mineral Survey No. 1486

Lot No. _____

Gila Land District.

FIELD NOTES

OF THE SURVEY OF THE MINING CLAIM OF

Frank W. Booher per
Shannon Copper Company

KNOWN AS THE

"Long Tom"
Greenlee Gold Mountain Mining District,
Graham County, Arizona

Section approx, Township 4 South, Range 29 East (Fractional)

Surveyed under instructions dated July 9th, 1900,
by R. J. Young,
U. S. Deputy Mineral Surveyor.

Claim located January 14th, 1894
Survey commenced October 11th, 1900
Survey completed October 11th, 1900

o 6-100

Address.
F. W. Booher
per Shannon Copper Co.
Clifton, Ariz.

PRELIMINARY OATHS OF ASSISTANTS IN SURVEY OF MINING CLAIM.

We, Juan Martinez and _____,
do solemnly swear that we will well and faithfully execute the duties of chain carriers;
that we will level the chain upon even and uneven ground and plumb the tally-pins,
either by sticking or dropping the same; that we will report the true distance to all
notable objects, and the true length of all lines that we assist in measuring, to the best
of our skill and ability, and in accordance with instructions given us, in the survey of
the Mining Claim of Frank W. Brooke per
Hannon Copper Company, known as the
"Long Tom"
situate in Greenlee Gold Mountain mining district,
Graham County, Arizona
in Section _____, Township No. 48, Range No. 29 East.

Witness to mark
Geo G Gaines
R J Murray

Juan Martinez, Chainman.
Juan Martinez, Chainman.

Subscribed and sworn to by the above-named persons before
me this 11th day of October, 1908.

My Commission expires April 27th 1908.
Charles H Beck
Anthony Buhle

I, _____, do solemnly swear that I will well and
truly perform the duties of axeman, in the establishment of corners and other duties,
according to instructions given me and to the best of my skill and ability, in the survey
of the Mining Claim of _____

known as the _____,
more fully described in the preceding affidavit.

_____, Axeman.

Subscribed and sworn to by the said _____
before me this _____ day of _____,
_____, 18 _____.

I, _____, do solemnly swear that I will
well and truly perform the duties of flagman, in the establishment of corners and other
duties, according to instructions given me and to the best of my skill and ability, in the
survey of the Mining Claim of _____

known as the _____,
more fully described in the preceding affidavit.

_____, Flagman.

Subscribed and sworn to by the said _____
before me this _____ day of _____,
_____, 18 _____.

"Long Tom"

Beginning at Cor 71° 1
 Identical with the N. W. Cor. of location
 Identical with the S. W. Cor. Keystone 71° 4
 Identical with N. E. Cor. Keystone 71° 8
 Identical with S. E. Cor. Keystone 71° 5,
 where I set a pine post 4 in. by
 4 in. by 4 1/2 ft. long, 1/2 ft. in the
 ground and surrounded same with
 a mound of stone.

Post marked L.T. N.C. 71° 1

Lot 1486.

U. S. M. N. 71° 2 bears N. 21° 24 E.
517.1 ft.

Whence S 71° 58' E
Var. 12° 25' E

582.00

To Cor 71° 2
 Identical with the N. E. Cor. of location
 Identical with the N. W. Cor. Black
 Hawk, Survey 71° 65,
 Identical with the S. W. Cor. of Abies B.
 Identical with the S. E. Cor. Keystone 71° 4
 where I set a pine post 4 in. by
 4 in. by 4 1/2 ft. long, set 1/2 ft. in
 the ground and surrounded same
 with a mound of stone.

Post marked L.T. N.C. 71° 2

Lot 1486.

Whence S 17° 38' W
Var. 12° 25' E

1473.90

To Cor 71° 3
 Identical with the S. E. Cor. location
 Identical with S. W. Cor. of Black
 Hawk, Survey 71° 65,
 where I set a pine post 4 in. by
 4 in. by 4 1/2 ft. long, set 1/2 ft. in
 the ground and surrounded same
 with a mound of stone.

Post marked L.T. N.C. 71° 3

Lot 1486. whence

N. W. Cor of Little Grant, Survey
71° 44; post marked L.G. N.C. 71° 4
bears N. 72° 59' W. 98.6 ft.

Whence $N 71^{\circ} 58' W$
Var $12^{\circ} 40' E$

582.00

To Cor $71^{\circ} 4'$
& identical with the S. W. Cor. of location
identical with S. E. Cor. of Keystone $N^{\circ} 8'$
where I set a pine post 4 in. by
4 1/2 ft. long, set 1 1/2 ft.
in the ground and surrounded
same with a mound of stone.
Post marked L.T. M.C. $71^{\circ} 4'$

Lot 1486. whence
The N. W. Cor. of C. L. Survey $N^{\circ} 64'$
The N. E. Cor. of C. Chihuahua, Survey
 $N^{\circ} 229$, post marked - 2-1229
chick. bears $N. 82^{\circ} 38' W. 119.0$ ft.
Whence $N. 17^{\circ} 38' E.$
Var $12^{\circ} 38' E$

1475.90

To Cor $N^{\circ} 1'$
The place of beginning.

The survey of the Long Tom Lode
is identical with the location.
No center and monuments were
found.

This claim is located
approximately in ^{Tract} Township 4 South
Range 29 East, Tula and Salt
Lake Meridian, Grantee Gold
Mountain Mining District,
Graham County, Arizona.

Area.

Total Area Long Tom 19.65 acres
(see attached sheet)

Expenditure of Five Hundred Dollars.
I certify that the value of labor
and improvements upon this claim,
placed thereon by the claimant and
his grantors, is not less than
Five Hundred Dollars, and that

said improvements consist of:

N^o 1

Discovery cut 4 ft. wide and 50 ft. long, 20 ft. high at face. The mouth of which bears N. 26° 17' W 303.8 ft from Cor N^o 3, running N 19° 40' E, 50 ft to face Value

\$ 200 ⁰⁰/_X

N^o 2

One tunnel 5 ft. wide by 6 ft. high, 20 ft. long the mouth of which bears N. 7° 50' W - 160. ft. from Cor N^o 3, running due north 20. ft. to breast. Value

160 ⁰⁰/_X

N^o 3

One tunnel 5 ft. wide 7 ft. high 250 ft. long, the mouth of which bears N. 16° 22' W. 153.4 ft. from Cor N^o 3, running N 19° 25' E - 250 to breast. Value

\$ 2000 ⁰⁰/_X

Judging from present developments and surface indications the ledge extends throughout the entire of claim.

In making this survey particular attention was paid to the west side line of the Black Hawk, Survey N^o 65, identical with the east side line, this survey, and the distances and course herein stated are found to be correct.

No trees, stumps or rocks in place were found within any reasonable distance of corners.

Key stone N^o 8, Key stone N^o 5, Key stone N^o 4, Abbe B., Black Hawk, survey N^o 65, Little Grant, survey N^o 44, C.L. survey No 64, Chihuahua survey N^o 1229, are owned by the Arizona Copper Company of Clifton, Arizona.

The surface embraced by this claim ascends very rapidly from Cor. N^o 3 to apex of ridge a distance of 750 ft, on the course of east side line, being about 350 ft. higher than Cor. N^o 3. Thence descending very rapidly for a distance of 600 ft. to bottom of draw, about 250 ft. lower than apex of ridge, thence ascending about 750 ft. to Cor. N^o 2. From Cor. N^o 3 to Cor. N^o 4 the surface ascends quite rapidly to apex of ridge, about 250 ft higher than Cor. N^o 3.

From Cor. N^o 1 to Cor. N^o 2 the surface is quite an even slope but very steep.

From Cor. N^o 1 to Cor. N^o 4 the surface descends very rapidly for 400 ft to bottom of draw, about 125 ft. lower than Cor. N^o 1 - thence ascends to Cor. N^o 4.

Instrument.

This survey was made with a C. L. Berger & Sons' Mining Transit. The courses were deflected from the true meridian, as determined by direct observation on the Polaris. The distances were measured with a 200. ft. steel tape.

R. J. Young
Deputy Mineral Surveyor

FINAL OATHS FOR SURVEYS.

LIST OF NAMES.

A list of the names of the individuals employed by R. J. Young
 United States Deputy Mineral Surveyor, to assist in running, measuring, and marking the lines
 corners and boundaries described in the foregoing field notes of the survey of the mining claim
 of F. W. Booker per Shannon Copper Company
 known as the "Long Tom"
 and showing the respective capacities in which they acted.

Witness to mark
 Geo. A. Gaines
 R. J. Young

J. M. M. ^{his} Marking _{mark}, Chainman.
 _____, Chainman.
 _____, Axman.
 _____, Flagman.
 My Commission expires April 21st 1903.

FINAL OATHS OF ASSISTANTS.

We, J. M. M.
 and _____, do solemnly swear that we assisted _____
R. J. Young, United States Deputy Mineral Surveyor, in marking the corners and
 surveying the boundaries of the mining claim of F. W. Booker per
Shannon Copper Company
 _____, known as the "Long Tom",
 _____, represented
 in the foregoing field notes as having been surveyed by said deputy mineral surveyor and under
 his direction; and that said survey has been in all respects, to the best of our knowledge and
 belief, faithfully and correctly executed, and the corner and boundary monuments established
 according to law and the instructions furnished by the United States Surveyor-General for
Arizona

Witness to mark
 Geo. A. Gaines
 R. J. Young

J. M. M. ^{his} Marking _{mark}, Chainman.
 _____, Chainman.
 _____, Axman.
 _____, Flagman.

Subscribed and sworn to by the above-named persons before me
 this 11th day of October, 1900.

Charles M. Beck
Notary Public

My Commission expires April 21st 1903.

FINAL OATH OF U. S. DEPUTY MINERAL SURVEYOR

I, R. J. Young, U. S. Deputy Mineral Surveyor, do solemnly swear that, in pursuance of instructions received from the United States Surveyor General for Arizona, dated July 9th 1900, I have, in strict conformity to the laws of the United States, the official regulations and instructions thereunder, and the instructions of said Surveyor General, faithfully and correctly executed the survey of the Mining Claim of F. W. Booker per Shannon Copper Company, known as the "Long Tom", situate in Greenlee Gold Mountain Mining District, Graham County, Arizona, in Section _____, Township No. 4 S, Range No. 29 East, and designated as Survey No. 1486, as represented in the foregoing field notes, which accurately show the boundaries of said mining claim as distinctly marked by monuments on the ground, and described in the attached copy of the location certificate, which was received by me from the Surveyor General with said instructions, and that all the corners of said survey have been established and perpetuated in strict accordance with the law, official regulations and instructions thereunder; and I do further solemnly swear that the foregoing are the true and original field notes of said survey and my report therein, and that the labor expended and improvements made upon said mining claim by claimant or his grantors are as therein fully stated, and that the character, extent, location and itemized value thereof are specified therein with particularity and full detail, and that no portion of said labor or improvements so credited to this claim has been included in the estimate of expenditures upon any other claim.

R. J. Young
U. S. Deputy Mineral Surveyor.

Subscribed and sworn to by the said R. J. Young
U. S. Deputy Mineral Surveyor, before me Charles H. Beck
Beck this 11th
day of October 1900.

Charles H. Beck
Notary Public
April 21st 1903.

Affidavit of Five Hundred Dollars Improvements.

We, John F Nicolls, and Isaac N Stevens

of lawful age, being first duly sworn according to law, depose and say: that we are acquainted with the "Long Tom" mining claim, situate in Granite Gold Mountain Mining district, Graham County, Arizona Territory, for which J. M. Booker per Shannon Copper Company has made application for survey prior to application for patent under the provisions of the Act of Congress, approved May 10, 1872; and that the labor done and improvements made thereon by the applicant and his grantors exceed Five Hundred Dollars in value, and further that we are not personally interested in said mine.

J. Nicolls
Isaac N Stevens

TERRITORY OF ARIZONA, }
County of Yuma } ss:

Sworn to and subscribed before me, this 11th day of October, 1900

Charles N. Beck
Notary Public.
My Commission expires April 21st 1903.

NOTICE OF LOCATION.

Notice is hereby given that the undersigned, in compliance with the requirements of the Mining Act of Congress, approved May, 10, 1872, have this day located and claim 1500 linear feet along the course of this lead, or lode or vein of mineral bearing quartz and 300 feet in width on each side of the middle of said lead or lode or vein, situated in Greenlee Gold Mountain Mining District, County of Graham, Arizona, and more particularly described as follows, to-wit: COMMENCING at this monument of stones, being the center of the south end of claim and upon which this notice is posted; thence East 300 feet to a monument of stones; thence north 1500 feet to a monument of stones; thence west 300 feet to a monument of stones; being the center of the north end of claim; thence west 300 feet to a monument of stones; thence south 1500 feet to a monument of stones; thence East 300 feet to the place of beginning. This claim is situated about five hundred yards from the top of Metcalf Incline this claim joins the Little Giant mine on the north joins the Black Hawk mine on the south and shall be known as the "LONG TOM" mine. Located Jan. 14th. 1894.

F W Booher, Locator.

Recorded Feb. 16, 1894 at 9 o'clock A M at request of F W Booher.

H J Dowdle, Co. Recorder.

Territory of Arizona)
 County of Graham) SS
 Office of Co. Recorder) I, PEDRO MICHELENA, County Recorder of

Graham County, Arizona, DO hereby certify that the foregoing is a full, true, complete and correct copy of the LONG TOM mining claim in Greenlee Gold Mountain Mining District, in said County, as the same appears of record at folio 183 of Book 8 "Record of Mines", records of said County.

Given under my hand and seal of office this the 5th. day of October, A D 1900.



County Recorder, Graham County, Arizona Ter.



(4-687.)

Surveyor General's Certificate of Approval of Field Notes and Survey of Mining Claim.

Department of the Interior,

Office of U. S. Surveyor General,

Tucson, Arizona.

October 26-1900., 18

I, U. S. Surveyor General for *District of Arizona*,

do hereby certify that the foregoing and hereto attached Field Notes and Return of the

Survey of the Mining Claim of *F. W. Booker, per*
Shannon Copper Co.

....., known as the

Long Tom
situate in *Greenlee Gold Mountain* mining district,

Graham County, *Arizona*,

in Section *approx.*, Township No. *43*, Range No. *29 E. (Fractional)*

....., designated as Survey No. *1486*.

executed by *R. J. Young*, U. S. Deputy Mineral

Surveyor, *October 11th-1900.*, under my instructions dated

July 9-1900., have been critically examined and the necessary corrections and explanations made, and the said Field Notes and Return, and

the Survey they describe, are hereby approved. A true copy of the copy of the location

certificate filed by the applicant for survey is included in the field notes.

George Christ

U. S. Surveyor General for *Arizona*.

Greenlee Gold Mountain M.D.
 Graham County, Arizona.
 Surveyed Aug. 7-9-1900
 by R. Jeffrey
 U.S. Debb. Min. Surveyor.

PRELIMINARY PLAT
SURVEY No 1486.

